

14 DEC 2004

10/516933

Declaration, Power of Attorney and Petition

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WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name,									
		(I am) the original, is sought on the invent	first and joint (sole) ir ion entitled	iventor(s) of the si	ubject 1	matter	which	h is	
UNIT-TYPE HE	AT EXCHA	NGER							
the specification o	f which								
	is attached h	ereto.		•					
	was filed on		as						
	Application	Serial No.							
	and amende	d on		<u>. </u>					
\boxtimes	was filed as	PCT international appl	lication						
	Number PCT/JP03/07638								
	on June 17,	2003		_,					
	and was amo	ended under PCT Artic	cle 19		·				
	on		(if applicable).						
including the clair	ns, as amendo	ed by any amendment r				•			
we (1) ackno as defined in Secti	ion 1.56 of Ti	uty to disclose informatile 37 Code of Federal	ation known to be mate Regulations.	rial to the patentab	oility of	this ap	plica	tion	
application(s) for at least one count any foreign appli	patent or inv ry other than cation for pa	entor's certificate, or the United States, list atent or inventor's ce	under 35 U.S.C. § § 365(a) of any PCT Is ted below and have als rtificate, or PCT Inter ned. Prior Foreign Ap	nternational applications of identified below national applications.	ation w	hich d ecking	esigna the l	ated box,	
Application	No.	Country	Day/N	/lonth/Year		Prio Clair			
Pat. 2002-176	6896	Japan	18/	06/2002	\boxtimes	Yes		No	
	·		<u> </u>			Yes		No	
						Yes		No	
						Yes		No	
	· · · · · · · · · · · · · · · · · · ·								



Page 2 of 2 Declaration

We (1) hereby claim the benefit under Titl application(s) listed below.	le 35, United States	Code, § 119(e) of any United States provisional							
60/394,879		July 11, 2002							
(Application Number)		(Filing Date)							
(Application Number)		(Filing Date)							
We (I) hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.									
Application Serial No. Filing Date		Status (pending, patented, abandoned)							
									
And we (I) hereby appoint the following registered practitioner(s):									
22850									
as our (my) attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent Office connected therewith; and we (I) hereby request that all correspondence regarding this application be sent to									
	22850								
We (I) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.									
Hideaki MANAKA NAME OF FIRST SOLE INVENTOR	Res	idence: Oyama-shi, Japan TPX							
L.I. OI I ROI BOLL HAVENIOR									
$\neg 1 \mid 1 \mid 1 \mid 1 \mid 1$									
Hidaki Manahan	Citi	Citizen of: Japan							
Signature of inventor	Ma	Mailing Address: c/o SHOWA DENKO K.K.,							
	OY	AMA REGIONAL OFFICE, 480, Inuzuka							
August 24, 2004 Date	1-c	home, Oyama-shi, Tochigi 323-8678 Japan							
Date									